

Amendments to the Specification:

Please replace the paragraph beginning on page 6, line 25, with the following amended paragraph:

Therapeutic compounds include esters of pyridoxic acid and ~~pyridoxie acid~~4,5-lactonepyridoxic-4,5-lactone.

Please replace the paragraph beginning on page 39, line 24, with the following amended paragraph:

To a solution of diethyl malonate (0.76 mL, 798 mg, 4.98 mmol) in tetrahydrofuran (THF) (5 mL) was added LDA (5 M, 1 mL, 5.0 mmol) and stirred at 0°C for 5 minutes. (α^4 ,3-O-isopropylidene-3-hydroxy-4-hydroxymethyl-2-methyl-5-pyridyl)methylbromide (Imperalli *et al*, J. Org. Chem., 60, 1891-1894 (1995)) (1.36 g, 5.0 mmol) in THF (5 mL) was added. The reaction was stirred for 2 hours at 0°C. The solvent was evaporated and the residue was dissolved in ~~Et₂O~~ethanol. This was washed with water, dried (MgSO₄) and evaporated to give the crude product. Purification of the crude mixture by chromatography on silica gel column using diethyl ether:hexane (1:1) gave the malonate derivative 769 mg (44%).
¹H NMR (CDCl₃, TMS) 1.23 (t, 6H), 1.54 (s, 6H), 2.37 (s, 3H), 3.04 (d, 2H), 3.63 (t, 1H), 4.18 (q, 4H), 4.86 (s, 2H), 7.87 (s, 1H).

Please replace the paragraph beginning on page 40, line 9, with the following amended paragraph:

Patients with a history of exercise induced angina ~~are taking~~take P-5-P either before or after onset of angina. Several measures may be used to test the effectiveness of our compound for angina treatment including time to onset of angina, exercise duration, time to 1mm ST depression, and patient pain evaluation. Other experiments that could be used to test the compound include the canine model of myocardial ischemia, the canine model of exertional dysfunction, or the isolated perfused rate heart model of low flow ischemia.

Please replace the paragraph beginning on page 40, line 19, with the following amended paragraph:

The goal was to determine if P-5-P alters glucose oxidation rates or cardiac function in the isolated non-ischemic working rat heart model. This was achieved by subjecting rat hearts to 60 minutes of aerobic perfusion. P-5-P was added 5 minutes into the aerobic period and the effects of P-5-P on glucose metabolism ~~was~~were determined during the aerobic period. Saline control, DCA (dichloroacetic acid) positive control, P-5-P were tested, with n=6 in all groups.